

WHAT IS CLAIMED IS:

1. A video editing system comprising:

program segment defining means for dividing a video program into at least one segment;

content defining means for defining contents of said at least one segment in accordance with content labels;

preference storage means for storing viewer preferences for the content of said at least one segment;

player means for playing said at least one segment;

processing means for controlling said player means to access those segments of the program consistent with said viewer preferences; and

display means for generating a continuous program of said at least one segment consistent with said viewer preferences.

2. The video editing system of claim 1, further comprising:

viewer identification and password control means for accepting and permitting viewer access to said viewer preference means, wherein said viewer preference means provides content structures specific to each said viewer for said at least one said segment.

3. The video editing system of claim 1, further

comprising:

preference application means for permitting the automatic application of said viewer preference structure to at least one of said program segment.

4. The video editing system of claim 1, further comprising:

preference application means for permitting the application of a content preference structure that is program-specific.

5. The video editing system of claim 1, wherein said program segment content defining means further comprises a segment rating means having a variety of content categories and rating levels.

6. The video editing system of claim 5, wherein said content categories include at least one of a form of expression, a subject matter, an element development, an expertise level, a detail level, and a program length.

7. The video editing system of claim 1, further comprising:

at least one of a parallel segment, and an overlapping segment, and a transitional segment for at least one segment;

a segment map logically linking said at least one segment in time-sequential order, and wherein said display processing means further comprises random access segment

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retrieval means for retrieving said segments as a continuous program on said display such that said combination of different segments is entirely transparent to a user.

8. The video editing system of claim 1, wherein said content label comprises keywords searchable by terms identified from said viewer preference means.

9. The video editing system of claim 1, further comprising interactive viewer editing means permitting control of segment transmission prior to, during and following said segment display.

10. The video editing system of claim 9, wherein said viewer editing means further comprises modifying means for modifying segment identifications and definitions.

11. The video editing system of claim 9, wherein said instructive viewer editing means further comprises random sequential access means for accessing a specified set of segments to permit a preview of said segments to determine their inclusion in said transmitted program.

12. A program rating system, comprising:

a plurality of content categories and rating levels for each of at least one video program;

assigning means wherein each segment of said at least one program is available to be simultaneously assigned more than one content category with more than one rating; and

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13. The program segment rating system of claim 12, further comprising a program segment content defining means for pre-defining labels for the contents of said programs; and

14. A cable transmission editing system,  
comprising:

video program retrieval means;

preference storage means for storing viewer preferences for the contents of said at least one segment;

player means for reproducing said at least one segment;

processing means for controlling said player means to access those segments of the program consistent with said viewer preferences; and

display means for generating a continuous program of  
said at least one segment consistent with said viewer

preferences.

15. The cable transmission editing system of claim 14, wherein said transmission means comprises a two-way communication architecture wherein connections between said transmission, retrieval and player means are simultaneously available to each user, whether said user's primary function may be as a program provider, system services provider, or as an end recipient of program services.

16. The cable transmission editing system of claim 14, wherein said program/segment processing means further includes at least one of a program/segment keyword search facility, and a category tree structure search facility, to permit retrieval of at least one program/segment from a plurality of programs.

17. The cable transmission editing system of claim 14, further comprising viewer program preference communication means for facilitating the retrieval and production of a program involving said viewer preferences.

18. The cable transmission editing system of claim 14, wherein said cable transmission system is fiber optic based.

19. The cable transmission editing system of claim 18, wherein said transmission of said program is at least one of real-time/non real-time based.

20. The cable transmission editing system of claim 14, wherein said preference storage means stores said programs in at least one of a fixed media device, a removable media

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21. A cable based transmission system, comprising:

integration means for integrating non-program related systems with said program such as security and appliance management and for providing a user with the services pertaining to said non-program systems.

transmission/receiving means for transmitting and receiving video information:

preference determining means for enabling a viewer to define a plurality of preferences for said segment content; and

searching means for searching and comparing said viewer preferences with said contents of said segments.

23. A video program, comprising:

a video program having content information a on, said content information including program ation and definitions which permit a video vi eo preferences relating to said content infor

playing means for playing continuously and ntly said program in accordance with said vie es.

24. The video program of claim 23, wherein ation and definitions are optionally separated to respective audio and video elements of sai

25. The video program of claim 23, wherein nformation further includes a program/segment e comprising a variety of content categories a levels wherein each program is simultaneously a a one content category and rating.

26. The video program of claim 23, wherein nformation includes at least one of the follo es: form of expression, subject matter, eleme nt, expertise level, detail level, and program

27. The video program of claim 23, wherein ogram includes at least one of a parallel segm apping segment, and a transitional segment.

a video program having content information and video information, said content information including program identification and definitions which permit a video viewer to apply video preferences relating to said content information; and

playing means for playing continuously and transparently said program in accordance with said viewer preferences.

24. The video program of claim 23, wherein said identification and definitions are optionally separately assigned to respective audio and video elements of said program.

25. The video program of claim 23, wherein said content information further includes a program/segment rating structure comprising a variety of content categories and rating levels wherein each program is simultaneously assigned more than one content category and rating.

26. The video program of claim 23, wherein said content information includes at least one of the following categories: form of expression, subject matter, element development, expertise level, detail level, and program length.

27. The video program of claim 23, wherein said video program includes at least one of a parallel segment, and an overlapping segment, and a transitional segment.

means for transparent continuous transmission of  
said video information retrieved from said video program



31. The video transmitting apparatus of claim 29, wherein said video player device further includes viewer controls which play, rewind and include stop controls along with segment skipping, segment in, segment out, segment mapping, preference structure access, system access and help features.

a keyboard connector permitting utilization of a personal computer keyboard having cable/infrared linkage facilitating alphanumeric and function key entries.

34. The video transmitting apparatus of claim 29,  
further comprising:

viewer content preference structures specific to each viewer.

35. The video transmitting apparatus of claim 29,  
further comprising:

viewer content preference structures and viewer content preference structure storage and retrieving means permitting the automatic uniform application of a given structure to at least one of a variety of program sources, programs, and program segments, and the application of a content preference structures that are program specific.

36. The video transmitting apparatus of claim 29, further comprising:

interactive viewer editing means for permitting control of segment transmission prior, during, and following the segment transmission.

37. The video transmitting apparatus of claim 29, further comprising:

viewer editing means having random sequential access of a specified set of segments to permit preview of said segments to determine their inclusion in the transmitted program.

38. The video transmitting apparatus of claim 29, further comprising:

program/segment retrieval means further including a program/segment keyword system and/or a program/segment category tree structure to permit retrieval of programs, segments from a program, and/or segments from a plurality of programs.

39. A video editing system comprising:

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player means for playing said at least one segment;

display means for generating a continuous program of said at least one segment consistent with said viewer control commands.

41. A video retrieval system comprising:

content defining means for defining contents of said  
at least one segment in accordance with content keywords;

player means for playing said at least one segment;

processing means for controlling said player means  
to access said at least one segment consistent with said

keyword retrieval; and

display means for displaying said at least one segment consistent with said keyword retrieval.

42. A video program editing system comprising:

program segment defining means for dividing a video program into at least one segment and at least one of a parallel segment, overlapping segment, and transitional segment;

content defining means for defining contents of said at least one segment in accordance with content labels;

preference storage means for storing viewer preferences for the content of said at least one segment;

processing means for controlling said player means to access those segments of the program consistent with said viewer preferences; and

a segment map logically linking said at least one segment in time-sequential order;

random access segment retrieval and displaying means for retrieving and displaying said segments on said display means as a continuous program such that said combination of different segments is entirely transparent to a user.

display means for generating a continuous program of said at least one segment consistent with said viewer preferences.

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